## Claims

What is claimed is:

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A flexible container comprising:

a plurality of panels joined together to form a sleeve, the panels each having an end edge that cooperate to define an imaginary plane at one end of the sleeve; and

an end panel connected to the panels at the one end of the sleeve, the end panel having at least one portion extending beyond the imaginary plane.

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2. The container of claim 1 wherein the panels form a polygonal sleeve.

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3. The container of claim 1 wherein the panels each have a second end edge that cooperate to define a second imaginary plane at another end of the sleeve, the container further comprising a second end panel connected to the panels at the other end of the sleeve, the second end panel having at least one portion extending beyond the second imaginary plane.

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4. The container of claim 1 wherein the portion extends outwardly from the sleeve.

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5. The container of claim 1 wherein the portion extends inwardly towards the sleeve.

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The container of claim 1 wherein the plurality of panels comprises four panels 6. cooperatively forming a sleeve having a generally rectangular cross-section.

- The container of claim 6 wherein two opposing panels are gusseted panels. 7.
- The container of claim 7 wherein the gusseted panels have a gusset fold. 8.

The container of claim 1 wherein the end panel is contiguous with the plurality 30 9. of panels.

- 10. The container of claim 1 wherein the end panel comprises a plurality of connecting members.
- 5 11. The container of claim 10 wherein the connecting members converge to a point.
  - 12. The container of claim 10 wherein the connecting members converge to a line.
- 13. The container of claim 10 wherein the connecting members converge to a polygon.
  - 14. The container of claim 1 wherein one of the panels has a port.
  - 15. The container of claim 1 wherein the port has a port closure connected thereto.
  - 16. The container of claim 15 wherein the port closure comprises:

a tube having a first end and a second end, the first end adapted to be connected to the port;

a plug inserted into the second end of the tube, the plug being made from a gas permeable porous material;

a cover having a first member and a second member, the second end of the tube being positioned between the members, the members being sealed together at their respective peripheral edges; and

an elastic band wrapped around the cover and tube.

## 17. A flexible container comprising:

a plurality of panels joined together to form a sleeve, the panels each having an end edge that cooperate to define an imaginary plane at one end of the sleeve; and

an end panel connected to the panels at the one end of the sleeve, the end panel having a plurality of converging surfaces, the surfaces having at least one portion extending beyond the imaginary plane.

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- 18. The container of claim 17 wherein the converging surfaces extend outwardly from the sleeve.
- 19. The container of claim 17 wherein the converging surfaces extend inwardly towards the sleeve.
  - 20. The container of claim 17 wherein the panels each have a second end edge that cooperate to define a second imaginary plane at another end of the sleeve, the container further comprising a second end panel connected to the panels at the other end of the sleeve, the second end panel having a plurality of converging surfaces, the surfaces having at least one portion extending beyond the second imaginary plane.
  - 21. A large volume flexible container capable of containing a fluid to be maintained under sterile conditions comprising:
  - a first panel, a second panel, a third panel, and a fourth panel connected together to form a generally cubic structure,

the first panel having a central segment adjacent an end segment, the central segment having a longitudinal edge and the end segment having a tapered edge extending from the longitudinal edge, an angle being defined between the longitudinal edge and the tapered edge, the angle being in the range from about 135.01° to about 138°.

- 22. The container of claim 21 wherein the angle is in the range from about  $135.5^{\circ}$  to about  $136.5^{\circ}$ .
- 23. The container of claim 21 wherein the angle is 136°.